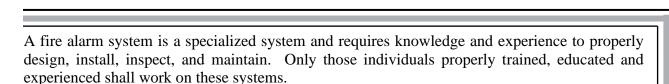
References (s): 06-IFC/907, 06-101/9.6

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New Systems or Modifications

Before fire alarm systems in certain facilities can be installed or modified, plans must be submitted to the OSFM for approval. These facilities include:

- Educational: USD's, private schools, preschools, daycare and childcare centers, and Board of Regents universities.
- Healthcare: hospitals, adult care facilities, nursing homes, ambulatory care centers, and residential board and care facilities.
- Correction and detention

The submitted plans shall comply with standards set forth by the OSFM and shall include a copy of equipment cut sheets and floor diagrams. These should show the placement of detectors, fire alarm control panels, pull stations, annunciation devices, and other components. Specification sheets and any other information relevant to the fire alarm or smoke detection system should also be included.

The plans must be stamped by a physical engineer or a Kansas-licensed engineer with knowledge in fire alarm systems.

The design, installation, modification, inspection, and maintenance of fire alarm systems shall comply with all requirements of the applicable nationally promulgated codes and standards, regardless of whether or not the OSFM required a plan or whether or not plan approval was given by any jurisdiction, including the OSFM.

Existing Systems

Existing systems shall be maintained according to the applicable codes and standards. The edition of the standard may vary by occupancy type as shown below:

Federal Healthcare: NFPA 72, 1999 All other occupancies: NFPA 72, 2007

It is extremely important for facility owners and operators to be knowledgable in their specific fire alarm system as well as ensuring they are utilizing good qualified individuals to work on and maintain the system. At a minimum, the facility owner and operator must be able to recognize when the system is impaired, how to perform a basic reset, and when to call for service.

Existing Systems – Cont.

Here is an abbreviated list of fire alarm system requirements. You will need to obtain a copy of NFPA 72 (appropriate edition) to see the complete list of inspection, testing, and maintenance requirements.

Weekly

Visual inspection of panel for trouble signal

All staff should be trained to recognize alarm trouble signals as part of a continual monitoring

Quarterly

Visal inspection of all sprinkler devices connected: water flow and tamper valve switches

Semiannual

Test of sprinkler waterflow switches *
Test of sprinkler valve tamper switches *

Visual inspection of lead-acid battery

Test batteries

Annual

Important: The annual inspection documentation must meet the minimum documentation requirements as outlined in NFPA 72 (4 page form).

Test and visual inspection of panel

Test panel battery charger

Battery discharge test

Test and visual inspection of horns, strobes, chimes, bells, etc

Test and visual inspection of smoke, heat, and duct detectors

Test and visual inspection of electromechanical releasing devices

Test and visual inspection of voice evacuation equipment

Other

Replace panel batteries every 5 yrs or per manufacturer recommendations

Sensitivity testing of smoke detectors **

Recommend detector replacement after 10 yrs

- * This may already be done as part of the inspection, testing, and maintenance requirements of the sprinkler system
- ** See NFPA code for timeframe requirements

Inspection and Testing Time Date Service Organization **Property Name** Name Name Address Address Representative Owner Contact Telephone License No Telephone **Monitoring Entity** Approving Agency Contact Contact Telephone Telephone Monitoring Acct No. **Type Transmission** Service McCulloh Reverse Priority Weekly Semiannual Multiplex RF Monthly Annual Digital Other: Other: Quarterly Specify: Specify: Conrol Unit Manufacturer Model No. Circuit styles Number of circuits Software Rev Last date system service Last date system revised Alarm- Initiating Devices and Circuit Information Circuit Style Quantity Manual Fire Alarm Box Ion Detector Photo Detector Duct Detector Heat Detector Waterflow Switches Supervisory Switches Other:

Alarm Notification Appliances and Circuit Information					
Quantity Circuit Style					
Bells					
Horns					
Chimes					
Strobes					
Speakers					
Other:					
No. of alarm notification appliance circuits					
Are circuits monitored for integrity? Yes No					
Supervisory Signal-Inititating Devices and Circuit Information					
Quantity Circuit Style					
Building Temp					
Site Water Temp					
Site Water Level					
Fire Pump Power					
Fire Pump Running					
Fire Pump Auto Position					
Fire Pump or Pump Comtroller Trouble					
Fire Pump Running					
Generator in Auto Position					
Generator in Controller Position					
Switch Transfer					
Generator Engine Running					
Other:					
Signaling Line Circuits					
Quantity and style (see NFPA 72. Table 3-6) of signaling circuits connected to system					
Quantity: Style:					
System Power Supplies					
a. Primary (Main) Nominal Voltage Amps:					
Overcurrent Type Amps:					
Portection Type Timps.					
Location of Primary Supply Panelboard					
Disconnecting Means Location					
b. Secondary (Standby)					
Storage Battery: Amp Hr Rating					
Calculated capacity to operate system, in hours					
Engine driven generator dedicated to fire alarm system					
Location of fuel storage					
Battery Type					
Dry Cell Nickel-Cadmium Sealed lead-acid Lead-acid Other:					
c. Emergency or standby system used as a backup to primary power supply, instead of using					
secondary power supply					
Emergency system described in NFPA 70					
Legally required standby described in NFPA 70					
Optional standby system described in NFPA 70					

Prior to Any Testing Notifications are made Time Who Monitoring Entity Yes No **Building Occupants** Yes No Building Management Yes No Other Yes No AHJ (notified of any Yes No impairments) **System Tests and Inspections Type** Comments Control Unit Visible **Functional** Visible Interface Eq. Functional Visible Lamps/LED Functional Visible Fuses Functional Primary Power Supply Visible **Functional** Trouble Signals Visible Functional Disconnect Switch Visible Functional Groud-Fault Visible Functional Monitoring **Secondary Power** Visible Functional Battery Condition Load Voltage **Functional** Discharge Test Functional Functional Charger Test Specific Gravity Functional Transient Suppressors Visible Remote Annunciators Visible **Functional Notification Appliances** Audible Visible Functional Functional Visual Visible Speakers Visible Functional Voice Clarity **Functional Initiating and Supervisory Device Test and Inspections** Meas. Device **Factory** Loc. & S/N **Type** Visual Functional Setting Setting Pass Fail

Comments:

Emergency Communication Equipment Comments					
Phone Set	Visual	Fu	nctional		
Phone Jacks	Visual Functional				
Off-Hook Indicator	☐ Visual ☐ Functional				
Amplifier(s)	☐ Visual ☐ Functional				
Tone Generator(s)	☐ Visual ☐ Functional				
Call-in Signal	☐ Visual ☐ Functional				
System Performance	☐ Visual ☐ Functional				
Interface Equipment					
Specify:	☐ Visual		Device Operation	Simulated Operation	
Specify:	Visual		Device Operation	Simulated Operation	
Specify:	Visual		Device Operation	Simulated Operation	
Special Hazard Systems					
Specify:	☐ Visual		Device Operation	☐ Simulated Operation	
Specify:	☐ Visual		Device Operation	Simulated Operation	
Specify:	☐ Visual		Device Operation	Simulated Operation	
Special Procedures:					
Comments:					
Supervising Station Monito			'ime	Comments	
Alarm Signal	oring Yes	No T	lime	Comments	
			'ime	Comments	
Alarm Signal Alarm Restoration Trouble Signal	Yes Yes Yes Yes	No No	lime	Comments	
Alarm Signal Alarm Restoration	Yes Yes	No No	lime	Comments	
Alarm Signal Alarm Restoration Trouble Signal	Yes Yes Yes Yes	No No	lime	Comments	
Alarm Signal Alarm Restoration Trouble Signal Supervisory Signal Supervisory Restoration	Yes Yes Yes Yes Yes Yes Yes Yes	No No No No			
Alarm Signal Alarm Restoration Trouble Signal Supervisory Signal Supervisory Restoration Notification that Testing is	Yes Yes Yes Yes Yes Yes Yes Complete	No No No No No	Vho	Time	
Alarm Signal Alarm Restoration Trouble Signal Supervisory Signal Supervisory Restoration Notification that Testing is Building Management	Yes Yes Yes Yes Yes Yes	No No No No No No No No No			
Alarm Signal Alarm Restoration Trouble Signal Supervisory Signal Supervisory Restoration Notification that Testing is Building Management Monitoring Agency	Yes Yes	No N			
Alarm Signal Alarm Restoration Trouble Signal Supervisory Signal Supervisory Restoration Notification that Testing is Building Management Monitoring Agency Building Occupants	Yes Yes Yes Yes Yes Yes	No N			
Alarm Signal Alarm Restoration Trouble Signal Supervisory Signal Supervisory Restoration Notification that Testing is Building Management Monitoring Agency Building Occupants Other	Yes Yes	No N			
Alarm Signal Alarm Restoration Trouble Signal Supervisory Signal Supervisory Restoration Notification that Testing is Building Management Monitoring Agency Building Occupants	Yes Yes	No N			
Alarm Signal Alarm Restoration Trouble Signal Supervisory Signal Supervisory Restoration Notification that Testing is Building Management Monitoring Agency Building Occupants Other The following did not operate of	Yes Yes	No N	Vho		
Alarm Signal Alarm Restoration Trouble Signal Supervisory Signal Supervisory Restoration Notification that Testing is Building Management Monitoring Agency Building Occupants Other	Yes Yes	No N			
Alarm Signal Alarm Restoration Trouble Signal Supervisory Signal Supervisory Restoration Notification that Testing is Building Management Monitoring Agency Building Occupants Other The following did not operate of System restored Date:	Yes	No	Vho Time:	Time	
Alarm Signal Alarm Restoration Trouble Signal Supervisory Signal Supervisory Restoration Notification that Testing is Building Management Monitoring Agency Building Occupants Other The following did not operate of	Yes	No	Vho Time:	Time	
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Alarm Signal Alarm Restoration Trouble Signal Supervisory Signal Supervisory Restoration Notification that Testing is Building Management Monitoring Agency Building Occupants Other The following did not operate of System restored Date: This testing was performed Name of Inspector Signature	Yes	No N	Vho Time:	Time	